

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.yy**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000036**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 06-Jan-2007**Location:** Changxing Island, Shanghai, China

Submittals(New / Total): **CWR's:** 0 / 0 **HSR's:** 0 / 0 **NCR's:** 0 / 0

Item	Title	Detail
1	Critical Weld Repairs (CWRs)	N/A
2	Heat Straightening Requests (HSRs)	N/A
3	Nonconformance Reports (NCRs)	N/A
4	Major component movement	<p>Reviewed RT film for the following PQR test plates:</p> <p>1G Flux Core Arc Welding (FCAW) procedure, HP-2006107-9 1G Submerged Arc Welding (SAW) procedure identified as HP-2006135 1G Submerged Arc Welding (SAW) procedure identified as HP-2006134</p> <p>Conducted welding of the following PQR test plates:</p> <p>1G Flux Core Arc Welding (FCAW) procedure identified as HP-2006120 on 75mm HPS 485W (standard joint). Welding complete.</p> <p>3G Flux Core Arc Welding (FCAW) procedure identified as HP-2006129 on 75mm A709-345 (non-standard joint due to 20mm root). Welding is not complete and will continue Monday, 1-8-07.</p> <p>3G Flux Core Arc Welding (FCAW) procedure identified as HP-2006131 on 75mm HPS 485W (non-standard joint due to 20mm root). Welding is not complete and will continue Monday, 1-8-07.</p> <p>1G Flux Core Arc Welding (FCAW) / Submerged Arc Welding (SAW) procedure identified as HP-2006117 on 75mm HPS 485W (non-standard joint due to ceramic backing). Welding is not complete and will continue Monday, 1-8-07.</p>
5	Meetings attended	N/A
6	Key conversations	<p>ZPMC Testing Center Director Mr. Liu Liu asked if they were allowed to cut the reduced section tensile samples into three pieces. QA pointed out the code references that allow this for testing, and asked why they wanted to</p>

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perform three pieces per sample rather than two, since the capacity of their tensile machine could handle the load of a ½ thickness sample. Mr. Liu Liu explained that the reason for three pieces representing the entire thickness for each sample rather than two was to avoid bending the machine shops cutting tool used to mill the radius. QA stated that this would be acceptable.

7	Other important observations	ZPMC did not weld on 1G Flux Core Arc Welding (FCAW) procedure identified as HP-2006133.
8	Quality Assurance Inspectors per shift	2 AM 0 Pm
9	Logistics	Due to bad weather (high winds causing large waves), transportation back to Shanghai was done by a tug boat.

Inspected By:	McClary,David	Quality Assurance Inspector
Reviewed By:	Lowry,Patrick	QA Reviewer
